

MATERIAL SAFETY DATA SHEET

Date Prepared: November 13, 2003

1. PRODUCT/COMPANY IDENTIFICATION

Product Name:

SAKRETE® BONDER & FORTIFIER

Emergency Telephone:

800-424-9300 (Chemtrec) or
703-527-3887 (Outside USA)

Manufacturer's Name & Address:

Bonsal American/an Oldcastle Company
8201 Arrowridge Blvd.
Charlotte, NC 28273

Telephone Number for Information:

704-525-1621

2. EMERGENCY AND FIRST AID

EMERGENCY INFORMATION:

SAKRETE® Bonder & Fortifier is a water-based milky liquid product. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions.

EYES:

Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Get medical attention if irritation occurs.

SKIN:

Wash skin with water and soap or a mild detergent. Seek medical treatment if irritation or inflammation develops.

INHALATION:

Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside.

INGESTION:

Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

3. COMPOSITION INFORMATION

DESCRIPTION:

This product is a liquid. Its major components are:

Propylene Glycol
Polymer Solids

CAS #57-55-6
Proprietary

4. HAZARDOUS INGREDIENTS

Propylene Glycol

Cas No. 57-55-6

5. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

NOTE: Potential health effects may vary depending upon the duration and degree of exposure. To reduce or eliminate health hazards associated with this product, use exposure controls or personal protection methods as described in Section 12.

EYE CONTACT:

(Acute/Chronic) Eye contact by larger amounts or splashes of Bonder & Fortifier may cause effects ranging from slight to moderate eye irritation.

SKIN CONTACT:

(Acute) Exposure to Bonder & Fortifier may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Discomfort or pain cannot be relied upon to alert a person to a hazardous skin exposure.

(Chronic) Bonder & Fortifier coming in contact with the skin may cause skin irritation. Prolonged exposure can cause skin damage.

(Acute/Chronic) Some individuals may exhibit an allergic response upon exposure to Bonder & Fortifier. The response may appear in a variety of forms ranging from a mild rash to severe irritation.

INHALATION:

(Acute) Exposure to Bonder & Fortifier may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation.

INGESTION:

(Acute/Chronic) Internal discomfort or ill effects are possible if large quantities are swallowed.

CARCINOGENIC POTENTIAL:

Bonder & Fortifier is not recognized as a carcinogen by NTP, OSHA, or IARC.

6. ACCIDENTAL RELEASE MEASURES

Contain spill immediately with inert material. Place in appropriate labeled container for disposal. Avoid inhalation and contact with eyes.

7. PHYSICAL/CHEMICAL DATA

APPEARANCE/ODOR:	Odor: vinyl acetate	PHYSICAL STATE:	Liquid
BOILING POINT:	100° C	MELTING POINT:	0° C
pH	4.0-6.5	VAPOR DENSITY:	< 1 (water = 1)
SPECIFIC GRAVITY (H₂O = 1.0):	1.0-1.2	SOLUBILITY IN WATER:	Dilutable
		EVAPORATION RATE:	< 1 (water = 1)

8. FIRE AND EXPLOSION

FLASH POINT:	None	LOWER EXPLOSIVE LIMIT:	Not applicable
AUTO IGNITION TEMPERATURE:	Not combustible	UPPER EXPLOSIVE LIMIT:	Not applicable
FLAMMABLE LIMITS	Not applicable	SPECIAL FIRE FIGHTING PROCEDURES:	Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog apparatus and full protective clothing.
EXTINGUISHING MEDIA:	Use extinguishers appropriate for surrounding fire.	UNUSUAL FIRE AND EXPLOSION HAZARDS:	Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat. Dried product can burn.

9. STABILITY AND REACTIVITY DATA

STABILITY:	Product is normally stable at ambient temperatures and pressures.
INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):	Avoid contact with strong oxidizing agents.
HAZARDOUS DECOMPOSITION:	May produce the following hazardous decomposition products when exposed to extreme heat: carbon monoxide; carbon dioxide; lower molecular weight polymer fractions; Extreme heat includes, but is not limited to, flame cutting, brazing, and welding.
HAZARDOUS POLYMERIZATION:	Will not occur.

10. PRECAUTIONS FOR HANDLING AND STORAGE

HANDLING AND STORAGE

Avoid extreme temperatures. Keep from freezing. Keep container closed when not in use.

SPILL:

Use dry clean-up methods that do not disperse or allow entry into surface water, municipal or sewer. Place in an appropriate container for disposal or use. Avoid inhalation and contact with skin and eyes. Use exposure control and personal protection methods as described in Section 12.

11. TOXICOLOGICAL INFORMATION

See Section 5 for Hazard Identification. No recognized unusual toxicity to plants and animals.

Conditions aggravated by exposure: Eye disease, Skin disorders and Chronic Respiratory conditions.

12. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Use local exhaust or general dilution ventilation to control below applicable exposure limits. Minimize dispersal into the air. Avoid breathing vapor spray mist.

If local or general ventilation is not adequate to control levels below applicable exposure limits or when dust causes irritation or discomfort, use MSHA/NIOSH approved respirators.

EYE PROTECTION:

Wear safety glasses with side shields or goggles to avoid contact with the eyes. In extremely dusty environments due to spraying, or unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when handling this product.

SKIN PROTECTION:

Wear impervious alkali-resistant gloves, boots, long-sleeved shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing dampened with Bonder & Fortifier and launder before re-use. If contact occurs, wash areas contacted by material with soap and water.

13. DISPOSAL CONSIDERATIONS

DISPOSAL:

Comply with all applicable local, state and federal regulations for disposal of unusable or contaminated materials. Dispose of packaging/containers according to local, state and federal regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

14. TRANSPORTATION DATA

Bonder & Fortifier is not hazardous under U.S. DOT.

15. OTHER REGULATORY INFORMATION

Status under TSCA (as of May 1997): Substances in Bonder & Fortifier are on the TSCA inventory list.

16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's obligation to determine the conditions of safe use of this product.